

**Amendment to the Specification:**

*Please amend the paragraph at page 8 lines 3-11 as follows:*

For illustrative purposes, about fifty positions **70, 72** per revolution are illustrated in FIGURE 2. However, it is to be understood that tomographic imaging scanners typically acquire tomographic imaging data at hundreds or thousands of angular positions of the radiation source per revolution of the radiation source. For example, the scans shown herein in FIGURES 3 and 5 employed tomographic imaging data acquisitions at 1160 angular positions per revolution, which for a typical gantry rotation rate of 120 revolutions per minute corresponds to one acquisition position every 0.43 milliseconds. However, the modulated tube current calculation is at lower rate because the current response of x-ray tube is much slower.